

Work Order ID 76870

76870

Page 1

November-22-11 1:20:13 PM

Item ID: D412-630-031

Accept

N9000040100

Setup Start *NS1*

Revision ID:

Item Name: Pilot/Co-Pilot Step, LH (Folding)

Stop *NS2*

Start Date: 22/11/2011 Start Qty: 2.00

2

Cust Item ID:

Required Date: 06/12/2011 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: MLJ

Date: 11/11/22 Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

IIN D412-630

Rev M

100

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy D412-630 bluefile & type labels per PPP412-630-031 CHG003

110

0.00

110

Small Fab

Small Fab

Memo

0.00

Small Fab

Assemble as per dwg D412-630 p.18-19

****ensure tension to retract step is 11 to 18 lbs before installing lockwire.****

120

QC5- Inspect part completeness to step on W/O

0.00

120

QC

Memo

0.00

Quality Control

****ensure tension to retract step is 11 to 18 lbs ****

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 76870

76870

Page 2

November-22-11 1:20:13 PM

Item ID: D412-630-031

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Item Name: Pilot/Co-Pilot Step, LH (Folding)

Stop ***NS2***

Start Date: 22/11/2011 Start Qty: 2.00 ***2***

Cust Item ID:

Required Date: 06/12/2011 Req'd Qty: 2.00 ***2***

Customer:

Reference:

Approvals: Process Plan: Date: Tooling: Date:

Run Start ***NR1***

QC: Date: SPC (Y/N): Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

130

Pick Kit

0.00

130

Packaging

Memo

0.00

Packaging

4/4/2012

140

QC4- 100% Inspect kits for completeness

0.00

140

QC

Memo

0.00

Quality Control

S. Zlotko

FL
HE

150

Packaging

0.00

150

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D412-630-031

Location: *21D*

PPP Rev: *D*

2x *Sp*
12-04-26

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 76870***76870***

Page 3

November-22-11 1:20:13 PM

Item ID: D412-630-031

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Pilot/Co-Pilot Step, LH (Folding)

Start Date: 22/11/2011 Start Qty: 2.00

2

Cust Item ID:

Required Date: 06/12/2011 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

160

QC21- Final Inspection - Work Order Release

0.00

160

QC

Memo

0.00

Quality Control

12/4/304J

1204-27

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

November-22-11 1:20:21 PM

Page 1

Work Order ID: 76870

76870

Parent Item: D412-630-031

D412-630-031

Parent Item Name: Pilot/Co-Pilot Step, LH (Folding)

Start Date: 22/11/2011

Required Date: 06/12/2011

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP REV. A 05.11.21 NEW ISSUE EC
IPP REV. B 05.12.19 updated pick list EC
IPP REV. C 07.11.12 ecn 1019,no chg EC verified by DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

AN310-4		Purchased	No			130	Each	35.0000	1	2			
										**	12/1/12		

AN310-4
NUT

Location	Loc Qty	Loc Code
ST324	13	
118983	13	
ST344	22	
119328	22	

AN310-5		Purchased	No			130	Each	30.0000	2	4			
										**	11/20/12		

AN310-5
NUT

Location	Loc Qty	Loc Code
ST324	30	
118112	30	

AN3C5A		Purchased	No			130	Each	979.0000	3	6			
										**	12/10/12		

AN3C5A
Bolt

Location	Loc Qty	Loc Code
FP	7	
115835	7	
ST350	972	
116419	28	
117343	17	
117764	166	
117872	2	
118451	259	
119127	500	

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 2

November-22-11 1:20:21 PM

Work Order ID: 76870

76870

Parent Item: D412-630-031

D412-630-031

Parent Item Name: Pilot/Co-Pilot Step, LH (Folding)

Start Date: 22/11/2011

Required Date: 06/12/2011

Start Qty: 2.00

Required Qty: 2.00

AN44-C12

Purchased

No

130

Each

13.0000

1 2

AN44-C12

**

m/20138

eyebolt

Location

Loc Qty

Loc Code

ST362

13

117616

9

119673

4

AN4C15

Purchased

No

130

Each

22.0000

1 2

AN4C15

**

m/20124

BOLT

Location

Loc Qty

Loc Code

ST358

22

118652

12

119531

10

AN5C11

Purchased

No

130

Each

19.0000

1 2

AN5C11

**

114801

BOLT

Location

Loc Qty

Loc Code

ST337

19

114801

19

AN5C15

Purchased

No

130

Each

13.0000

1 2

AN5C15

**

120139

BOLT

Location

Loc Qty

Loc Code

ST338

13

117616

13

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

November-22-11 1:20:21 PM

Page 3

Work Order ID: 76870

76870

Parent Item: D412-630-031

D412-630-031

Parent Item Name: Pilot/Co-Pilot Step, LH (Folding)

Start Date: 22/11/2011

Required Date: 06/12/2011

Start Qty: 2.00

Required Qty: 2.00

AN960C516

Purchased

No

130

Each

17.0000

1 2

AN960C516

WASHER

**

11/16/39/

[Handwritten signature]

Location

Loc Qty

Loc Code

ST344

17

102842

17

D3454-1

Manufactured

No

130

Each

26.0000

1 2

D3454-1

Bushing

**

[Handwritten signature]

Location

Loc Qty

Loc Code

ST054

26

58555

6

74730

20

D3454-3

Manufactured

No

130

Each

22.0000

2 4

D3454-3

Bushing

**

74730

78193

[Handwritten signature]

Location

Loc Qty

Loc Code

ST054

22

68467

2

73348

20

D3454-5

Manufactured

No

130

Each

24.0000

2 4

D3454-5

Bushing

**

78190

[Handwritten signature]

Location

Loc Qty

Loc Code

ST054

24

70527

4

73343

20

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Page 4

Work Order ID: 76870

76870

Parent Item: D412-630-031

D412-630-031

Parent Item Name: Pilot/Co-Pilot Step, LH (Folding)

Start Date: 22/11/2011

Required Date: 06/12/2011

Start Qty: 2.00

Required Qty: 2.00

D3455-1 Manufactured No

130 Each

35.0000

4 8

D3455-1

Spacer

**

78789

Location

Loc Qty

Loc Code

ST054

35

73302

35

D3455-3 Manufactured No

130 Each

16.0000

2 4

D3455-3

Spacer

**

76958

Location

Loc Qty

Loc Code

ST054

16

68470

1

72163

15

D3462-041 Manufactured No

130 Each

1.0000

1 2

D3462-041

Bracket Assembly

**

78915

7819 78190

Location

Loc Qty

Loc Code

ST198A

1

72030

1

MS21043-3 Purchased No

130 Each

721.0000

3 6

MS21043-3

Nut

**

121255

Location

Loc Qty

Loc Code

FG

72

103691

72

ST301

649

118077

1

118614

477

118686

171

November-22-11 1:20:21 PM

Shop Packet Print

Page 4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

November-22-11 1:20:21 PM

Page 5

Work Order ID: 76870

76870

Parent Item: D412-630-031

D412-630-031

Parent Item Name: Pilot/Co-Pilot Step, LH (Folding)

Start Date: 22/11/2011

Required Date: 06/12/2011

Start Qty: 2.00

Required Qty: 2.00

MS24665-227

Purchased

No

130

Each

81.0000

2-

4

MS24665-227

COTTER PIN

**

120/20

[Handwritten signature]

Location

Loc Qty

Loc Code

GA

81

111041

81

MS24665-229

Purchased

No

130

Each

295.0000

2

4

MS24665-229

COTTER PIN

**

[Handwritten signature]

Location

Loc Qty

Loc Code

GA

193

118234

193

ST309

102

111041

102

118234

NAS1149C0363R

Purchased

No

130

Each

3,885.000

7

14

NAS1149C0363R

Washer

**

[Handwritten signature]

Location

Loc Qty

Loc Code

ST297

3885

114742

3885

NAS1515H5

Purchased

No

130

Each

162.0000

1

2

NAS1515H5

Washer

**

114742
120 204 / 12/4/20

Location

Loc Qty

Loc Code

FG

40

103286

20

103691

20

ST277

122

103286

100

118384

22

November-22-11 1:20:22 PM

Shop Packet Print

Page 5

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Page 6

Work Order ID: 76870

76870

Parent Item: D412-630-031

D412-630-031

Parent Item Name: Pilot/Co-Pilot Step, LH (Folding)

Start Date: 22/11/2011

Required Date: 06/12/2011

Start Qty: 2.00

Required Qty: 2.00

D3463-041

Manufactured No

110

Each

1.0000

1

2

D3463-041

Step Weldment Assembly

**

Location

Loc Qty

Loc Code

ST494

1

72201

1

D3443-043

Manufactured No

110

Each

1.0000

1

2

D3443-043

Strut Weldment Assembly

**

Location

Loc Qty

Loc Code

ST198A

1

70525

1

D3443-041

Manufactured No

110

Each

0.0000

1

2

D3443-041

Strut Weldment Assembly

D3443-9

Manufactured No

110

Each

10.0000

2

4

D3443-9

Pin

**

Location

Loc Qty

Loc Code

ST054

10

72029

2

74699

8

D3454-7

Manufactured No

110

Each

24.0000

2

4

D3454-7

Bushing

**

Location

Loc Qty

Loc Code

ST054

20

73346

20

ST058

4

70528

4

CP 12/04/23

B82598

CP 12/04/23

B78187

B78188

CP 12/04/23

CP 12/04/23

B78189

CP 12/04/23

B78194

November-22-11 1:20:22 PM

Shop Packet Print

Page 6

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 76870

76870

Parent Item: D412-630-031

D412-630-031

Parent Item Name: Pilot/Co-Pilot Step, LH (Folding)

Start Date: 22/11/2011

Required Date: 06/12/2011

Start Qty: 2.00

Required Qty: 2.00

D3455-1

Manufactured No

110 Each

35.0000

2

4

D3455-1

Spacer

**

Location

Loc Qty

Loc Code

ST054

35

73302

35

D3465-1

Manufactured No

110 Each

24.0000

1

2

D3465-1

Washer

**

Location

Loc Qty

Loc Code

ST054

24

46134

4

73449

20

AN4CH3

Purchased No

110 Each

34.0000

2

4

AN4CH3

SS Bolt

**

Location

Loc Qty

Loc Code

ST357

34

117616

1

118131

3

118757

10

118758

20

AN4C14

Purchased No

110 Each

25.0000

1

2

AN4C14

BOLT

**

Location

Loc Qty

Loc Code

ST357

25

117688

25

EP 12/04/23
B82025 (4K)

EP 12/04/23

2
EP 12/04/23

M120639
(4K)
EP 12/04/23

2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

November-22-11 1:20:22 PM

Work Order ID: 76870

76870

Parent Item: D412-630-031

D412-630-031

Parent Item Name: Pilot/Co-Pilot Step, LH (Folding)

Start Date: 22/11/2011

Required Date: 06/12/2011

Start Qty: 2.00

Required Qty: 2.00

AN310-4

Purchased

No

110

Each

35.0000

1

2

AN310-4

NUT

**

Location

Loc Qty

Loc Code

ST324

13

118983

13

ST344

22

119328

22

EP 12/04/23
M121162 (2x)

AN310-7

Purchased

No

110

Each

27.0000

1

2

AN310-7

NUT

**

Location

Loc Qty

Loc Code

ST324

27

114784

27

EP 12/04/23
2

MS24665-227

Purchased

No

110

Each

81.0000

1

2

MS24665-227

COTTER PIN

**

Location

Loc Qty

Loc Code

GA

81

111041

81

EP 12/04/23
M120124 (2x)

MS24665-302

Purchased

No

110

Each

114.0000

1

2

MS24665-302

Cotter Pin

**

Location

Loc Qty

Loc Code

ST357

114

117460

114

EP 12/04/23
2
M120521 2x

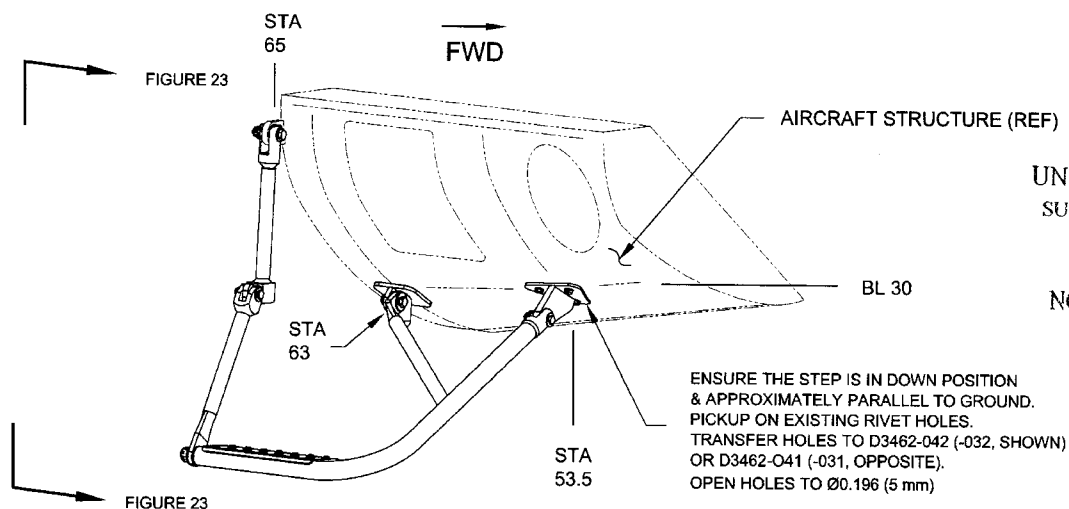
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

D412-630-031/-032 Pilot/Co-Pilot Folding-Step Installation

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE

WORK ORDER
NO. 76870

M.L.J
11/11/22

FIGURE 21 – Isometric View D412-630-032 RH, Pilot/Co-Pilot Folding-Step Installation (Shown), D412-630-031 LH (Opposite)

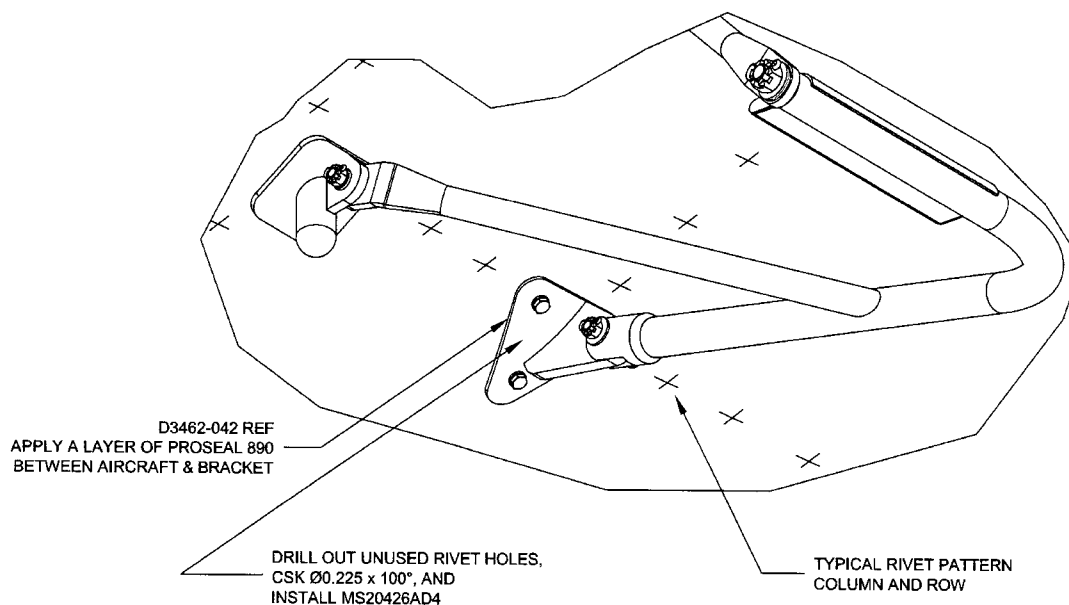


FIGURE 22 – Detail View D3462-042 Bracket Assembly (-032 Installation, Shown) D3462-041, (-031 Installation Opposite)

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Revision: **M**
Date: 08.12.12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
			/					

NOTE: Date & initial all entries

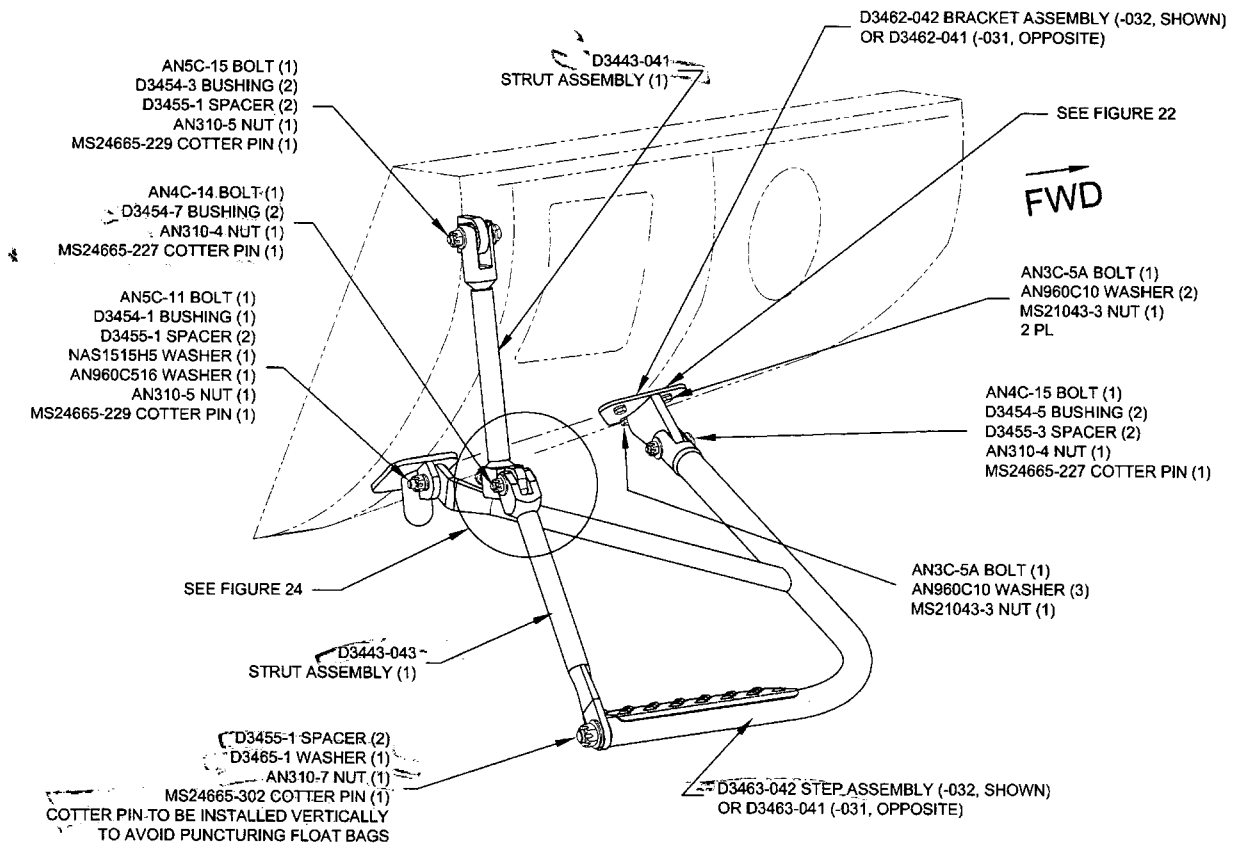


FIGURE 23 – Isometric View D412-630-032 RH, Pilot/Co-Pilot Folding-Step Installation (Shown)
D412-630-031 LH (Opposite)

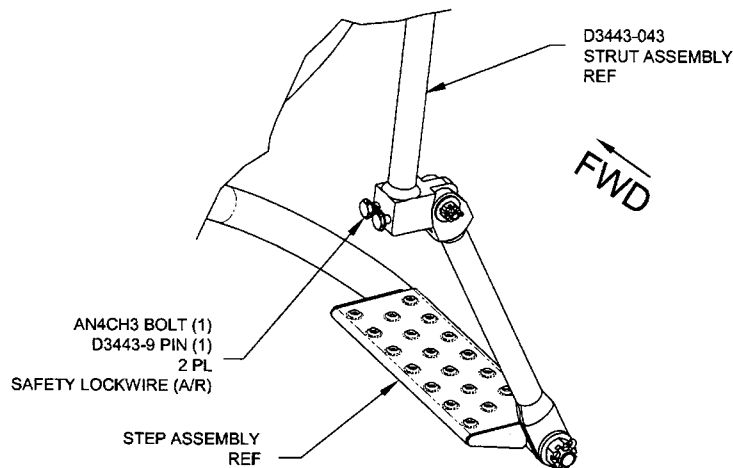


FIGURE 24 – Detail Safety Wiring, D412-630-032 RH, Pilot/Co-Pilot Folding-Step Installation (Shown)
D412-630-031 LH (Opposite)

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Revision: **M**
Date: 08.12.12

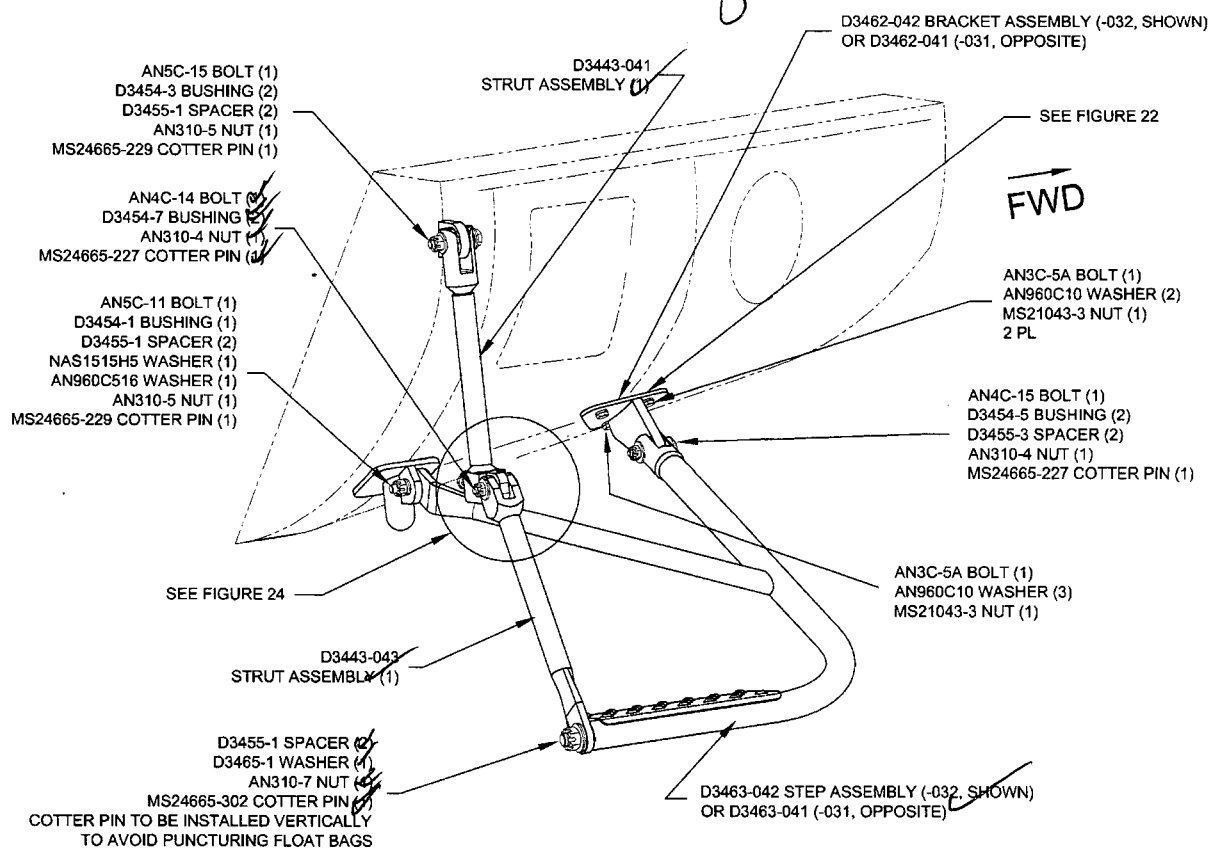
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

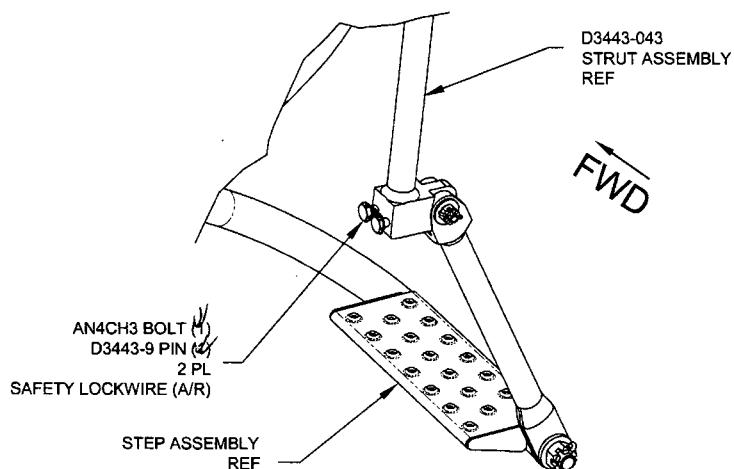
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



**FIGURE 23 – Isometric View D412-630-032 RH, Pilot/Co-Pilot Folding-Step Installation (Shown)
D412-630-031 LH (Opposite)**



**FIGURE 24 – Detail Safety Wiring, D412-630-032 RH, Pilot/Co-Pilot Folding-Step Installation (Shown)
D412-630-031 LH (Opposite)**

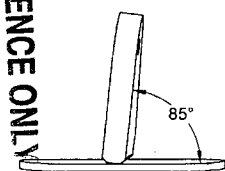
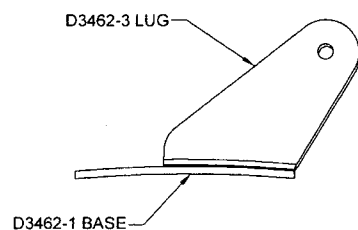
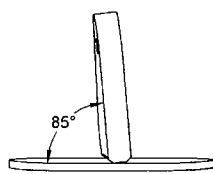
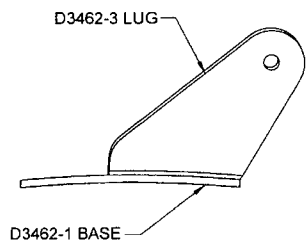
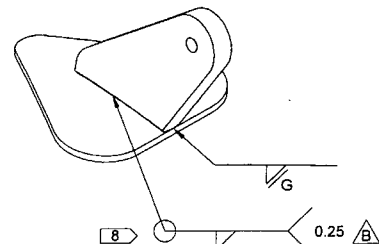
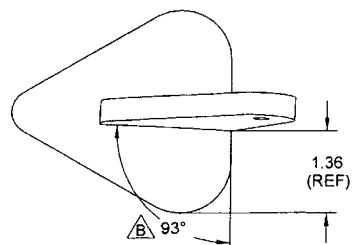
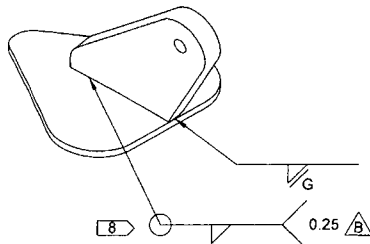
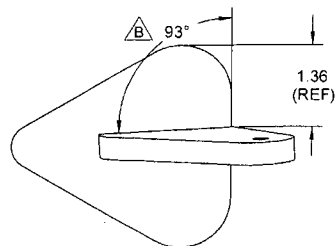
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Revision: **M**
Date: 08.12.12

Qty -031	Qty -032	Part Number	Description
X		D412-630-031	PILOT/CO-PILOT STEP, LH (FOLDING)
	X	D412-630-032	PILOT/CO-PILOT STEP, RH (FOLDING)
1	1	D3443-041	STRUT ASSEMBLY
1	1	D3443-043	STRUT ASSEMBLY
2	2	D3443-9	PIN
1	1	D3454-1	BUSHING
2	2	D3454-3	BUSHING
2	2	D3454-5	BUSHING
2	2	D3454-7	BUSHING
6	6	D3455-1	SPACER - z
2	2	D3455-3	SPACER
1		D3462-041	BRACKET ASSEMBLY
	1	D3462-042	BRACKET ASSEMBLY
1	1	D3463-041	STEP ASSEMBLY
	1	D3463-042	STEP ASSEMBLY
1	1	D3465-1	WASHER
2	2	AN310-4	NUT -/
2	2	AN310-5	NUT
1	1	AN310-7	NUT
3	3	AN3C-5A	BOLT
1	1	AN44-C12	* EYEBOLT
1	1	AN4C14	BOLT
1	1	AN4C15	BOLT
2	2	AN4CH3	BOLT
1	1	AN5C11	BOLT
1	1	AN5C15	BOLT
7	7	AN960C10	WASHER
1	1	AN960C516	WASHER
3	3	MS21043-3	NUT
2	2	MS24665-227	COTTER PIN -/
2	2	MS24665-229	COTTER PIN
1	1	MS24665-302	COTTER PIN
1	1	NAS1515H5	WASHER

* USE AN44-C12 EYEBOLT WHEN D412-630-031/-032 IS INSTALLED IN CONJUNCTION WITH D412-630-023/-024/-033/-034™ HELI-ACCESS-STEP



REFERENCE ONLY

D3462-041 BRACKET ASSEMBLY

D3462-042 BRACKET ASSEMBLY

QTY -041	QTY -042	P/N	DESCRIPTION
X		D3462-041	BRACKET ASSEMBLY
	X	D3462-042	BRACKET ASSEMBLY
1	1	D3462-1	BASE
1	1	D3462-3	LUG

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT WHITE (4.3.5.2) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3462-041" OR "D3462-042" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.75 lbs (TYP)
- 8) WELDING: PER DART QSI 004

C	SHOW VIEWS OF D3462-041 & D3462-042, UPDATE DWG REASON: PRODUCTION FACILITY	DC	07.10.24
B	REVISE DIMENSIONS	RF	05.12.05
A	NEW ISSUE	RF	05.09.20
REV.	DESCRIPTION	BY	DATE
DESIGN	RF		
DRAWN	V.P. DC.		
CHECKED	RF		
MFG. APPR.	RF		
APPROVED	RF		
DE APPR.	RF		
DATE	07.10.24		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D3462 TITLE BRACKET ASSEMBLY REV. C SHEET 1 OF 2 SCALE 1:2 <small>COPYRIGHT © 2005 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>			